

1. Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A resonant power LED control which comprises a single resonant converter for the simultaneous, independent brightness and color control of two LEDs (41, 42) or two groups of LEDs, ~~which wherein the converter is formed substantially from~~ comprises a half or full bridge DC/AC converter (2) with a control unit (21), a resonant capacitor, and a transformer (3).

2. (Cancelled).

3. (Currently Amended) A resonant power LED control as claimed in claim [[2]]16, ~~characterized in that wherein the~~ an input signal representing the input value is achieved by means of an optical coupling, via which coupling the measured output currents of the light emitted by the LEDs diodes (41, 42) are fed back to the DC/AC converter (2).

4. (Currently Amended) A resonant power LED control as claimed in claim 1, ~~characterized in that wherein~~ several LEDs are joined together into groups of arrays connected in series each time.

5. (Currently Amended) A resonant power LED control as claimed in claim 1, ~~characterized in that wherein the~~ a voltage supply of the LEDs (41, 42) takes place via the a secondary side of the transformer (3).

6. (Currently Amended) A resonant power LED control as claimed in claim 1,
~~characterized in that~~wherein the transformer-(3) has a secondary winding to which the
LEDs (41, 42) are connected in antiparallel.

7. (Currently Amended) A resonant power LED control as claimed in claim 1,
~~characterized in that~~wherein the transformer-(3) has two secondary windings to which the
LEDs (41, 42) are connected such that they are supplied with current in succession.

8. (Currently Amended) A resonant power LED control as claimed in claim 7,
~~characterized in that~~wherein the transformer-(3) has a central tap-(33) at the secondary
side, to which tap the common anode or cathode of the LEDs-(41, 42) is connected.

9. (Currently Amended) A resonant power LED control as claimed in claim 8,
~~characterized in that~~wherein a further LED-(43) is connected as a main light source
between the central tap-(33) and the common cathode or anode of the LEDs-(41, 42) ~~that~~
wherein the LEDs serve as subsidiary light sources.

10. (Currently Amended) A resonant power LED control as claimed in claim 9,
~~characterized in that~~wherein a switching diode is used instead of one of the subsidiary
light source LEDs (41, 42).

11. (Currently Amended) A resonant power LED control as claimed in claim 6,
~~characterized in that~~wherein the color of the LEDs-(41) comprises is white and of the
LEDs-(42) amber/orange.

12. (Currently Amended) A resonant power LED control as claimed in claim 9,
~~characterized in that~~wherein the color of the subsidiary light source LEDs-(41) is
green~~comprises green, of the subsidiary light source LEDs (42) blue/cyan, and the color~~
of the ~~main light source~~further LED-LEDs (43) comprises red.

13. (Currently Amended) A resonant power LED control as claimed in claim 10,
~~characterized in that~~wherein the color of the subsidiary light source LEDs ~~(41, 42)~~
~~is~~comprises cyan/blue and the color of the ~~main light source LEDs (43)~~ further LED
comprises amber/orange.

14. (Cancelled).

15. (New) A resonant power LED control, comprising:

a single resonant converter operative to provide simultaneous, independent
brightness and color control of two LEDs or two groups of LEDs, which are connected to
filter capacitors, the converter comprising: a half bridge DC/AC converter or full bridge
DC/AC converter with a control unit, a resonant capacitor, and a transformer.

16. (New) A resonant power LED control, comprising:

a single resonant converter operative to provide simultaneous, independent
brightness and color control of two LEDs or two groups of LEDs, the converter
comprising: a half bridge DC/AC converter or full bridge DC/AC converter with a
control unit, a resonant capacitor, and a transformer, wherein the light emitted by the
diodes forms an input value for the control unit.